

Connecting via Winsock to STN

Welcome to STN International! Enter x:X

LOGINID:SSSPTA1615LXC

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	APR 02	CAS Registry Number Crossover Limits Increased to 500,000 in Key STN Databases
NEWS	3	APR 02	PATDPAFULL: Application and priority number formats enhanced
NEWS	4	APR 02	DWPI: New display format ALLSTR available
NEWS	5	APR 02	New Thesaurus Added to Derwent Databases for Smooth Sailing through U.S. Patent Codes
NEWS	6	APR 02	EMBASE Adds Unique Records from MEDLINE, Expanding Coverage back to 1948
NEWS	7	APR 07	50,000 World Traditional Medicine (WTM) Patents Now Available in CAplus
NEWS	8	APR 07	MEDLINE Coverage Is Extended Back to 1947
NEWS	9	JUN 16	WPI First View (File WPIFV) will no longer be available after July 30, 2010
NEWS	10	JUN 18	DWPI: New coverage - French Granted Patents
NEWS	11	JUN 18	CAS and FIZ Karlsruhe announce plans for a new STN platform
NEWS	12	JUN 18	IPC codes have been added to the INSPEC backfile (1969-2009)
NEWS	13	JUN 21	Removal of Pre-IPC 8 data fields streamline displays in CA/CAplus, CASREACT, and MARPAT
NEWS	14	JUN 21	Access an additional 1.8 million records exclusively enhanced with 1.9 million CAS Registry Numbers -- EMBASE Classic on STN
NEWS	15	JUN 28	Introducing "CAS Chemistry Research Report": 40 Years of Biofuel Research Reveal China Now Atop U.S. in Patenting and Commercialization of Bioethanol
NEWS	16	JUN 29	Enhanced Batch Search Options in DGENE, USGENE, and PCTGEN
NEWS	17	JUL 19	Enhancement of citation information in INPADOC databases provides new, more efficient competitor analyses
NEWS	18	JUL 26	CAS coverage of global patent authorities has expanded to 61 with the addition of Costa Rica
NEWS	19	SEP 15	MEDLINE Cited References provide additional relevant records with no additional searching.
NEWS	20	OCT 04	Removal of Pre-IPC 8 data fields streamlines displays in USPATFULL, USPAT2, and USPATOLD.
NEWS	21	OCT 04	Precision of EMBASE searching enhanced with new chemical name field
NEWS	22	OCT 06	Increase your retrieval consistency with new formats or for Taiwanese application numbers in CA/CAplus.
NEWS	23	OCT 21	CA/CAplus kind code changes for Chinese patents increase consistency, save time
NEWS	24	OCT 22	New version of STN Viewer preserves custom

highlighting of terms when patent documents are saved in .rtf format

NEWS 25 OCT 28 INPADOCDB/INPAFAMDB: Enhancements to the US national patent classification.

NEWS 26 NOV 03 New format for Korean patent application numbers in CA/CAPLUS increases consistency, saves time.

NEWS 27 NOV 04 Selected STN databases scheduled for removal on December 31, 2010

NEWS 28 NOV 18 PROUSDDR and SYNTHLINE Scheduled for Removal December 31, 2010 by Request of Prous Science

NEWS 29 NOV 22 Higher System Limits Increase the Power of STN Substance-Based Searching

NEWS 30 NOV 22 Enjoy a free month of INPADOCDB/INPAFAMDB SDIs!

NEWS 31 NOV 24 Search an additional 46,850 records with MEDLINE backfile extension to 1946

NEWS EXPRESS FEBRUARY 15 10 CURRENT WINDOWS VERSION IS V8.4.2,
AND CURRENT DISCOVER FILE IS DATED 07 JULY 2010.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 15:22:03 ON 12 DEC 2010

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.22	0.22

FILE 'REGISTRY' ENTERED AT 15:22:25 ON 12 DEC 2010
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STRUCTURE FILE UPDATES: 10 DEC 2010 HIGHEST RN 1256333-24-0
DICTIONARY FILE UPDATES: 10 DEC 2010 HIGHEST RN 1256333-24-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 26, 2010.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information

on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

=> e phytic acid/cn

E1	1	PHYTEZYME/CN
E2	1	PHYTIANE LS/CN
E3	1 -->	PHYTIC ACID/CN
E4	1	PHYTIC ACID ALUMINUM SALT (1:4)/CN
E5	1	PHYTIC ACID ARGININE SALT/CN
E6	1	PHYTIC ACID DISODIUM SALT/CN
E7	1	PHYTIC ACID ETHYLDIOLEYLAMINE SALT/CN
E8	1	PHYTIC ACID HEPTASODIUM SALT/CN
E9	1	PHYTIC ACID ION(6-)/CN
E10	1	PHYTIC ACID MAGNESIUM-POTASSIUM SALT/CN
E11	1	PHYTIC ACID MONO(TETRAETHYLAMMONIUM) SALT/CN
E12	1	PHYTIC ACID QUINIDINE SALT/CN

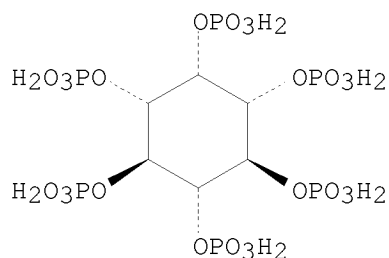
=> e3

L1 1 "PHYTIC ACID"/CN

=> d l1

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2010 ACS on STN
RN 83-86-3 REGISTRY
ED Entered STN: 16 Nov 1984
CN myo-Inositol, 1,2,3,4,5,6-hexakis(dihydrogen phosphate) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Inositol, hexakis(dihydrogen phosphate), myo- (8CI)
CN myo-Inositol, hexakis(dihydrogen phosphate) (9CI)
OTHER NAMES:
CN Alkalover
CN Dermofeel PA 3
CN Exfoderm
CN Exfoderm Forte
CN Fytic acid
CN Inositol 1,2,3,4,5,6-hexakisphosphate
CN Inositol hexakis(phosphate)
CN Inositol hexaphosphate
CN InsP6
CN IP6
CN meso-Inositol hexaphosphate
CN myo-Inositol hexakis(phosphate)
CN myo-Inositol hexaphosphate
CN Phylance
CN Phytic acid
CN RP 3000
CN RP 3000 (rust inhibitor)
CN WHL
CN WHL (depressant)
FS STEREOSEARCH
DR 894854-44-5, 1206549-44-1, 50762-79-3, 78039-41-5
MF C6 H18 O24 P6
CI COM
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CABA,
CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CIN, CSCHEM, DDFU, DRUGU, EMBASE,
GMELIN*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS,
NAPRALERT, PIRA, PROMT, RTECS*, TOXCENTER, USAN, USPAT2, USPATFULL,
USPATOLD, VETU
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**, WHO
(**Enter CHEMLIST File for up-to-date regulatory information)

Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

8868 REFERENCES IN FILE CA (1907 TO DATE)
320 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
8943 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file hcaplus
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
9.07	9.29

FULL ESTIMATED COST

FILE 'HCAPLUS' ENTERED AT 15:24:01 ON 12 DEC 2010
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FILE COVERS 1907 - 12 Dec 2010 VOL 153 ISS 25
FILE LAST UPDATED: 10 Dec 2010 (20101210/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2010
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2010

HCAPLUS now includes complete International Patent Classification (IPC) reclassification data for the fourth quarter of 2010.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l1
L2 8943 L1

=> d his

(FILE 'HOME' ENTERED AT 15:22:03 ON 12 DEC 2010)

FILE 'REGISTRY' ENTERED AT 15:22:25 ON 12 DEC 2010
E PHYTIC ACID/CN

L1 1 E3

FILE 'HCAPLUS' ENTERED AT 15:24:01 ON 12 DEC 2010

L2 8943 S L1

=> s l2 (p) (cutaneous or percutaneous or topical or cream or ointment or lotion or skin care or dermatological or transdermal)

34322 CUTANEOUS

13278 PERCUTANEOUS

63712 TOPICAL

51 TOPICALS

63733 TOPICAL

(TOPICAL OR TOPICALS)

43474 CREAM

23943 CREAMS

57283 CREAM

(CREAM OR CREAMS)

15410 OINTMENT

19946 OINTMENTS

26407 OINTMENT

(OINTMENT OR OINTMENTS)

10554 LOTION

15288 LOTIONS

20733 LOTION

(LOTION OR LOTIONS)

338651 SKIN

12342 SKINS

345396 SKIN

(SKIN OR SKINS)

92429 CARE

265 CARES

92657 CARE

(CARE OR CARES)

5060 SKIN CARE

(SKIN(W)CARE)

4903 DERMATOLOGICAL

15 DERMATOLOGICALS

4915 DERMATOLOGICAL

(DERMATOLOGICAL OR DERMATOLOGICALS)

9458 DERMATOL

1 DERMATOLS

9458 DERMATOL

(DERMATOL OR DERMATOLS)

12542 DERMATOLOGICAL

(DERMATOLOGICAL OR DERMATOL)

20576 TRANSDERMAL

8 TRANSDERMALS

20577 TRANSDERMAL

(TRANSDERMAL OR TRANSDERMALS)

L3 56 L2 (P) (CUTANEOUS OR PERCUTANEOUS OR TOPICAL OR CREAM OR OINTMENT OR LOTION OR SKIN CARE OR DERMATOLOGICAL OR TRANSDERMAL)

=> s l3 and (calcification or calcium deposition or calcium crystal) (p) (treat? or reduc? or inhibit?)

13421 CALCIFICATION

832 CALCIFICATIONS

13735 CALCIFICATION

```

                (CALCIFICATION OR CALCIFICATIONS)
1009972 CALCIUM
    41 CALCIUMS
1009977 CALCIUM
                (CALCIUM OR CALCIUMS)
    604369 DEPOSITION
    7950 DEPOSITIONS
    607382 DEPOSITION
                (DEPOSITION OR DEPOSITIONS)
    829 CALCIUM DEPOSITION
                (CALCIUM(W)DEPOSITION)
1009972 CALCIUM
    41 CALCIUMS
1009977 CALCIUM
                (CALCIUM OR CALCIUMS)
1603059 CRYSTAL
    756750 CRYSTALS
1929890 CRYSTAL
                (CRYSTAL OR CRYSTALS)
    313 CALCIUM CRYSTAL
                (CALCIUM(W)CRYSTAL)
4381709 TREAT?
2815695 REDUC?
1118261 REDN
    65142 REDNS
1159729 REDN
                (REDN OR REDNS)
3442267 REDUC?
                (REDUC? OR REDN)
2324308 INHIBIT?
    4960 (CALCIFICATION OR CALCIUM DEPOSITION OR CALCIUM CRYSTAL) (P)
                (TREAT? OR REDUC? OR INHIBIT?)
L4          1 L3 AND (CALCIFICATION OR CALCIUM DEPOSITION OR CALCIUM CRYSTAL)
                (P) (TREAT? OR REDUC? OR INHIBIT?)

```

=> s l3 and (calcification or calcium deposition or calcium crystal) (p) (treat? or
reduc? or inhibit? or prevent)

```

    13421 CALCIFICATION
    832 CALCIFICATIONS
    13735 CALCIFICATION
                (CALCIFICATION OR CALCIFICATIONS)
1009972 CALCIUM
    41 CALCIUMS
1009977 CALCIUM
                (CALCIUM OR CALCIUMS)
    604369 DEPOSITION
    7950 DEPOSITIONS
    607382 DEPOSITION
                (DEPOSITION OR DEPOSITIONS)
    829 CALCIUM DEPOSITION
                (CALCIUM(W)DEPOSITION)
1009972 CALCIUM
    41 CALCIUMS
1009977 CALCIUM
                (CALCIUM OR CALCIUMS)
1603059 CRYSTAL
    756750 CRYSTALS
1929890 CRYSTAL
                (CRYSTAL OR CRYSTALS)
    313 CALCIUM CRYSTAL
                (CALCIUM(W)CRYSTAL)
4381709 TREAT?

```

2815695 REDUC?
 1118261 REDN
 65142 REDNS
 1159729 REDN
 (REDN OR REDNS)
 3442267 REDUC?
 (REDUC? OR REDN)
 2324308 INHIBIT?
 365013 PREVENT
 139462 PREVENTS
 492301 PREVENT
 (PREVENT OR PREVENTS)
 5100 (CALCIFICATION OR CALCIUM DEPOSITION OR CALCIUM CRYSTAL) (P)
 (TREAT? OR REDUC? OR INHIBIT? OR PREVENT)
 L5 1 L3 AND (CALCIFICATION OR CALCIUM DEPOSITION OR CALCIUM CRYSTAL)
 (P) (TREAT? OR REDUC? OR INHIBIT? OR PREVENT)

=> s l3 and (calcification or calcium deposition or calcium crystal)
 13421 CALCIFICATION
 832 CALCIFICATIONS
 13735 CALCIFICATION
 (CALCIFICATION OR CALCIFICATIONS)
 1009972 CALCIUM
 41 CALCIUMS
 1009977 CALCIUM
 (CALCIUM OR CALCIUMS)
 604369 DEPOSITION
 7950 DEPOSITIONS
 607382 DEPOSITION
 (DEPOSITION OR DEPOSITIONS)
 829 CALCIUM DEPOSITION
 (CALCIUM(W)DEPOSITION)
 1009972 CALCIUM
 41 CALCIUMS
 1009977 CALCIUM
 (CALCIUM OR CALCIUMS)
 1603059 CRYSTAL
 756750 CRYSTALS
 1929890 CRYSTAL
 (CRYSTAL OR CRYSTALS)
 313 CALCIUM CRYSTAL
 (CALCIUM(W)CRYSTAL)
 L6 2 L3 AND (CALCIFICATION OR CALCIUM DEPOSITION OR CALCIUM CRYSTAL)

=> d l6 1- ibib
 YOU HAVE REQUESTED DATA FROM 2 ANSWERS - CONTINUE? Y/(N):y

L6 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2010 ACS on STN
 ACCESSION NUMBER: 2005:558322 HCAPLUS
 DOCUMENT NUMBER: 143:109700
 TITLE: Study of a myo-inositol hexaphosphate-based cream to
 prevent dystrophic calcinosis cutis
 AUTHOR(S): Grases, F.; Perello, J.; Isern, B.; Prieto, R. M.
 CORPORATE SOURCE: Laboratory of Renal Lithiasis Research and
 Biomineralization, University Institute of Health
 Sciences Research (IUNICS), University of Balearic
 Islands, Palma de Mallorca, 07122, Spain
 SOURCE: British Journal of Dermatology (2005), 152(5),
 1022-1025
 CODEN: BJDEAZ; ISSN: 0007-0963
 PUBLISHER: Blackwell Publishing Ltd.
 DOCUMENT TYPE: Journal

LANGUAGE: English
 OS.CITING REF COUNT: 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD
 (6 CITINGS)
 REFERENCE COUNT: 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2005:426442 HCAPLUS
 DOCUMENT NUMBER: 142:451866
 TITLE: Myo-inositol hexaphosphate for topical use
 INVENTOR(S): Grases Freixedas, Felicia; Perello Bestard, Joan;
 Isern Amengual, Bernat; Prieto Almirall, Rafael; Costa
 Bauza, Antonia
 PATENT ASSIGNEE(S): Universitat de les Illes Balears, Spain; Grases
 Freixedas, Felicia; Isern Amengual, Bernat; Prieto
 Almirall, Rafael; Costa Bauza, Antonia
 SOURCE: PCT Int. Appl., 19 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005044278	A1	20050519	WO 2004-IB3588	20041103
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
ES 2232302	A1	20050516	ES 2003-2600	20031107
ES 2232302	B1	20060801		
CA 2544963	A1	20050519	CA 2004-2544963	20041103
CA 2544963	C	20100330		
EP 1680128	A1	20060719	EP 2004-798764	20041103
EP 1680128	B1	20070214		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
BR 2004015713	A	20061219	BR 2004-15713	20041103
AT 353655	T	20070315	AT 2004-798764	20041103
JP 2007510710	T	20070426	JP 2006-538978	20041103
PT 1680128	E	20070531	PT 2004-798764	20041103
ES 2282920	T3	20071016	ES 2004-798764	20041103
MX 2006005043	A	20070315	MX 2006-5043	20060504
US 20070066574	A1	20070322	US 2006-595709	20060505
PRIORITY APPLN. INFO.:			ES 2003-2600	A 20031107
			WO 2004-IB3588	W 20041103

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD
 (2 CITINGS)
 REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his full

(FILE 'HOME' ENTERED AT 15:22:03 ON 12 DEC 2010)

FILE 'REGISTRY' ENTERED AT 15:22:25 ON 12 DEC 2010

E PHYTIC ACID/CN

L1 1 SEA ABB=ON PLU=ON "PHYTIC ACID"/CN
D L1

FILE 'HCAPLUS' ENTERED AT 15:24:01 ON 12 DEC 2010

L2 8943 SEA ABB=ON PLU=ON L1

L3 56 SEA ABB=ON PLU=ON L2 (P) (CUTANEOUS OR PERCUTANEOUS OR
TOPICAL OR CREAM OR OINTMENT OR LOTION OR SKIN CARE OR
DERMATOLOGICAL OR TRANSDERMAL)

L4 1 SEA ABB=ON PLU=ON L3 AND (CALCIFICATION OR CALCIUM DEPOSITION
OR CALCIUM CRYSTAL) (P) (TREAT? OR REDUC? OR INHIBIT?)

L5 1 SEA ABB=ON PLU=ON L3 AND (CALCIFICATION OR CALCIUM DEPOSITION
OR CALCIUM CRYSTAL) (P) (TREAT? OR REDUC? OR INHIBIT? OR
PREVENT)

L6 2 SEA ABB=ON PLU=ON L3 AND (CALCIFICATION OR CALCIUM DEPOSITION
OR CALCIUM CRYSTAL)
D L6 1- IBIB

FILE HOME

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 10 DEC 2010 HIGHEST RN 1256333-24-0

DICTIONARY FILE UPDATES: 10 DEC 2010 HIGHEST RN 1256333-24-0

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Please note that search-term pricing does apply when
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REGISTRY includes numerically searchable data for experimental and
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on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

FILE HCAPLUS

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FILE COVERS 1907 - 12 Dec 2010 VOL 153 ISS 25

FILE LAST UPDATED: 10 Dec 2010 (20101210/ED)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2010

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2010

HCAplus now includes complete International Patent Classification (IPC) reclassification data for the fourth quarter of 2010.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l2 and (cutaneous or percutaneous or topical or cream or ointment or lotion or skin care or dermatological or transdermal)

34322 CUTANEOUS
13278 PERCUTANEOUS
63712 TOPICAL
51 TOPICALS
63733 TOPICAL
(TOPICAL OR TOPICALS)
43474 CREAM
23943 CREAMS
57283 CREAM
(CREAM OR CREAMS)
15410 OINTMENT
19946 OINTMENTS
26407 OINTMENT
(OINTMENT OR OINTMENTS)
10554 LOTION
15288 LOTIONS
20733 LOTION
(LOTION OR LOTIONS)
338651 SKIN
12342 SKINS
345396 SKIN
(SKIN OR SKINS)
92429 CARE
265 CARES
92657 CARE
(CARE OR CARES)
5060 SKIN CARE
(SKIN(W)CARE)
4903 DERMATOLOGICAL
15 DERMATOLOGICALS
4915 DERMATOLOGICAL
(DERMATOLOGICAL OR DERMATOLOGICALS)
9458 DERMATOL
1 DERMATOLS
9458 DERMATOL
(DERMATOL OR DERMATOLS)
12542 DERMATOLOGICAL
(DERMATOLOGICAL OR DERMATOL)
20576 TRANSDERMAL
8 TRANSDERMALS
20577 TRANSDERMAL
(TRANSDERMAL OR TRANSDERMALS)

L7 195 L2 AND (CUTANEOUS OR PERCUTANEOUS OR TOPICAL OR CREAM OR OINTMENT OR LOTION OR SKIN CARE OR DERMATOLOGICAL OR TRANSDERMAL)

=> s l7 and (calcification or calcium deposition or calcium crystal)

13421 CALCIFICATION
832 CALCIFICATIONS
13735 CALCIFICATION

```

                (CALCIFICATION OR CALCIFICATIONS)
1009972 CALCIUM
    41 CALCIUMS
1009977 CALCIUM
                (CALCIUM OR CALCIUMS)
    604369 DEPOSITION
    7950 DEPOSITIONS
    607382 DEPOSITION
                (DEPOSITION OR DEPOSITIONS)
    829 CALCIUM DEPOSITION
                (CALCIUM(W)DEPOSITION)
1009972 CALCIUM
    41 CALCIUMS
1009977 CALCIUM
                (CALCIUM OR CALCIUMS)
    1603059 CRYSTAL
    756750 CRYSTALS
    1929890 CRYSTAL
                (CRYSTAL OR CRYSTALS)
    313 CALCIUM CRYSTAL
                (CALCIUM(W)CRYSTAL)
L8          3 L7 AND (CALCIFICATION OR CALCIUM DEPOSITION OR CALCIUM CRYSTAL)

=> s 18 not 16
L9          1 L8 NOT L6

=> d 19

L9  ANSWER 1 OF 1  HCAPLUS  COPYRIGHT 2010 ACS on STN
AN  2005:1308816  HCAPLUS
DN  144:343297
TI  Phytate (myo-inositol hexakisphosphate) inhibits cardiovascular
    calcifications in rats
AU  Grases, Felix; Sanchis, Pilar; Perello, Joan; Isern, Bernat; Prieto, Rafel
    Maria; Fernandez-Palomeque, Carlos; Fiol, Miguel; Bonnin, Oriol; Torres,
    Jose Juan
CS  University Institute of Health Sciences Research (IUNICS), University of
    Balearic Islands, Spain
SO  Frontiers in Bioscience (2006), 11(1), 136-142
    CODEN: FRBIF6; ISSN: 1093-4715
    URL: http://www.bioscience.org/2006/v11/af/1786/fulltext.htm
PB  Frontiers in Bioscience
DT  Journal; (online computer file)
LA  English
OSC.G  13      THERE ARE 13 CAPLUS RECORDS THAT CITE THIS RECORD (13 CITINGS)
RE.CNT  31     THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD
                ALL CITATIONS AVAILABLE IN THE RE FORMAT

```

```

=> s 12 and (calcification or calcium deposition or calcium crystal)
    13421 CALCIFICATION
    832 CALCIFICATIONS
    13735 CALCIFICATION
                (CALCIFICATION OR CALCIFICATIONS)
1009972 CALCIUM
    41 CALCIUMS
1009977 CALCIUM
                (CALCIUM OR CALCIUMS)
    604369 DEPOSITION
    7950 DEPOSITIONS
    607382 DEPOSITION
                (DEPOSITION OR DEPOSITIONS)

```

```

      829 CALCIUM DEPOSITION
        (CALCIUM(W)DEPOSITION)
1009972 CALCIUM
      41 CALCIUMS
1009977 CALCIUM
        (CALCIUM OR CALCIUMS)
1603059 CRYSTAL
      756750 CRYSTALS
1929890 CRYSTAL
        (CRYSTAL OR CRYSTALS)
      313 CALCIUM CRYSTAL
        (CALCIUM(W)CRYSTAL)
L10      38 L2 AND (CALCIFICATION OR CALCIUM DEPOSITION OR CALCIUM CRYSTAL)

```

=> s 12 (p) (calcification or calcium deposition or calcium crystal)

```

      13421 CALCIFICATION
      832 CALCIFICATIONS
      13735 CALCIFICATION
        (CALCIFICATION OR CALCIFICATIONS)
1009972 CALCIUM
      41 CALCIUMS
1009977 CALCIUM
        (CALCIUM OR CALCIUMS)
      604369 DEPOSITION
      7950 DEPOSITIONS
      607382 DEPOSITION
        (DEPOSITION OR DEPOSITIONS)
      829 CALCIUM DEPOSITION
        (CALCIUM(W)DEPOSITION)
1009972 CALCIUM
      41 CALCIUMS
1009977 CALCIUM
        (CALCIUM OR CALCIUMS)
1603059 CRYSTAL
      756750 CRYSTALS
1929890 CRYSTAL
        (CRYSTAL OR CRYSTALS)
      313 CALCIUM CRYSTAL
        (CALCIUM(W)CRYSTAL)
L11      17 L2 (P) (CALCIFICATION OR CALCIUM DEPOSITION OR CALCIUM CRYSTAL)

```

=> s 12 (p) (calcification or calcium deposition or calcium crystal) (p) (kidney or renal or cerebral or heart or lung or pulmonary or cardiac or cardiovascular)

```

      13421 CALCIFICATION
      832 CALCIFICATIONS
      13735 CALCIFICATION
        (CALCIFICATION OR CALCIFICATIONS)
1009972 CALCIUM
      41 CALCIUMS
1009977 CALCIUM
        (CALCIUM OR CALCIUMS)
      604369 DEPOSITION
      7950 DEPOSITIONS
      607382 DEPOSITION
        (DEPOSITION OR DEPOSITIONS)
      829 CALCIUM DEPOSITION
        (CALCIUM(W)DEPOSITION)
1009972 CALCIUM
      41 CALCIUMS
1009977 CALCIUM
        (CALCIUM OR CALCIUMS)
1603059 CRYSTAL

```

756750 CRYSTALS
 1929890 CRYSTAL
 (CRYSTAL OR CRYSTALS)
 313 CALCIUM CRYSTAL
 (CALCIUM(W)CRYSTAL)
 363363 KIDNEY
 72562 KIDNEYS
 385880 KIDNEY
 (KIDNEY OR KIDNEYS)
 194051 RENAL
 12 RENALS
 194056 RENAL
 (RENAL OR RENALS)
 128659 CEREBRAL
 414365 HEART
 33894 HEARTS
 417009 HEART
 (HEART OR HEARTS)
 262498 LUNG
 51899 LUNGS
 279051 LUNG
 (LUNG OR LUNGS)
 126273 PULMONARY
 165090 CARDIAC
 48 CARDIACS
 165116 CARDIAC
 (CARDIAC OR CARDIACS)
 150122 CARDIOVASCULAR
 4 CARDIOVASCULARS
 150125 CARDIOVASCULAR
 (CARDIOVASCULAR OR CARDIOVASCULARS)
 L12 4 L2 (P) (CALCIFICATION OR CALCIUM DEPOSITION OR CALCIUM CRYSTAL)
 (P) (KIDNEY OR RENAL OR CEREBRAL OR HEART OR LUNG OR PULMONARY
 OR CARDIAC OR CARDIOVASCULAR)

=> d l12 ibib 1-

YOU HAVE REQUESTED DATA FROM 4 ANSWERS - CONTINUE? Y/(N):y

L12 ANSWER 1 OF 4 HCAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2007:831523 HCAPLUS

DOCUMENT NUMBER: 147:314566

TITLE: Effect of crystallization inhibitors on vascular
 calcifications induced by vitamin D - a pilot study in
 Sprague-Dawley rats -

AUTHOR(S): Grases, Felix; Sanchis, Pilar; Perello, Joan; Isern,
 Bernat; Prieto, Rafel M.; Fernandez-Palomeque, Carlos;
 Torres, Jose J.

CORPORATE SOURCE: Laboratory of Renal Lithiasis Research, University
 Institute of Health Sciences Research (IUNICS),
 University of Balearic Islands, Spain

SOURCE: Circulation Journal (2007), 71(7), 1152-1156
 CODEN: CJIOBY; ISSN: 1346-9843

PUBLISHER: Japanese Circulation Society

DOCUMENT TYPE: Journal

LANGUAGE: English

OS.CITING REF COUNT: 8 THERE ARE 8 CAPLUS RECORDS THAT CITE THIS RECORD
 (8 CITINGS)

REFERENCE COUNT: 49 THERE ARE 49 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 2 OF 4 HCAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2005:1308816 HCAPLUS

DOCUMENT NUMBER: 144:343297
 TITLE: Phytate (myo-inositol hexakisphosphate) inhibits cardiovascular calcifications in rats
 AUTHOR(S): Grases, Felix; Sanchis, Pilar; Perello, Joan; Isern, Bernat; Prieto, Rafel Maria; Fernandez-Palomeque, Carlos; Fiol, Miguel; Bonnin, Oriol; Torres, Jose Juan
 CORPORATE SOURCE: University Institute of Health Sciences Research (IUNICS), University of Balearic Islands, Spain
 SOURCE: Frontiers in Bioscience (2006), 11(1), 136-142
 CODEN: FRBIF6; ISSN: 1093-4715
 URL: <http://www.bioscience.org/2006/v11/af/1786/fulltext.htm>
 PUBLISHER: Frontiers in Bioscience
 DOCUMENT TYPE: Journal; (online computer file)
 LANGUAGE: English
 OS.CITING REF COUNT: 13 THERE ARE 13 CAPLUS RECORDS THAT CITE THIS RECORD (13 CITINGS)
 REFERENCE COUNT: 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 3 OF 4 HCAPLUS COPYRIGHT 2010 ACS on STN
 ACCESSION NUMBER: 2000:468600 HCAPLUS
 DOCUMENT NUMBER: 133:176645
 TITLE: Phytate prevents tissue calcifications in female rats
 AUTHOR(S): Grases, F.; Prieto, R. M.; Simonet, B. M.; March, J. G.
 CORPORATE SOURCE: Laboratory of Renal Lithiasis Research, University of Balearic Islands, Palma de Mallorca, E-07071, Spain
 SOURCE: BioFactors (2000), 11(3), 171-177
 CODEN: BIFAEU; ISSN: 0951-6433
 PUBLISHER: IOS Press
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OS.CITING REF COUNT: 37 THERE ARE 37 CAPLUS RECORDS THAT CITE THIS RECORD (37 CITINGS)
 REFERENCE COUNT: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 4 OF 4 HCAPLUS COPYRIGHT 2010 ACS on STN
 ACCESSION NUMBER: 2000:4345 HCAPLUS
 DOCUMENT NUMBER: 132:273607
 TITLE: Phytate (IP6) is a powerful agent for preventing calcifications in biological fluids: usefulness in renal lithiasis treatment
 AUTHOR(S): Grases, Felix; Costa-Bauza, Antonia
 CORPORATE SOURCE: Laboratory of Investigation into Renal Lithiasis, Faculty of Sciences, University of Illes Balears, Palma de Mallorca, 07071, Spain
 SOURCE: Anticancer Research (1999), 19(5A), 3717-3722
 CODEN: ANTRD4; ISSN: 0250-7005
 PUBLISHER: International Institute of Anticancer Research
 DOCUMENT TYPE: Journal; General Review
 LANGUAGE: English
 OS.CITING REF COUNT: 24 THERE ARE 24 CAPLUS RECORDS THAT CITE THIS RECORD (24 CITINGS)
 REFERENCE COUNT: 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d l12 ibib 4 kwic

L12 ANSWER 4 OF 4 HCAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2000:4345 HCAPLUS
 DOCUMENT NUMBER: 132:273607
 TITLE: Phytate (IP6) is a powerful agent for preventing
 calcifications in biological fluids: usefulness in
 renal lithiasis treatment
 AUTHOR(S): Grases, Felix; Costa-Bauza, Antonia
 CORPORATE SOURCE: Laboratory of Investigation into Renal Lithiasis,
 Faculty of Sciences, University of Illes Balears,
 Palma de Mallorca, 07071, Spain
 SOURCE: Anticancer Research (1999), 19(5A), 3717-3722
 CODEN: ANTRD4; ISSN: 0250-7005
 PUBLISHER: International Institute of Anticancer Research
 DOCUMENT TYPE: Journal; General Review
 LANGUAGE: English
 OS.CITING REF COUNT: 24 THERE ARE 24 CAPLUS RECORDS THAT CITE THIS
 RECORD (24 CITINGS)
 REFERENCE COUNT: 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT
 IT 83-86-3
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological
 study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES
 (Uses)
 (phytate (IP6) is a powerful agent for preventing
 calcifications in biol. fluids and is useful in renal
 lithiasis treatment)

=> d his full

(FILE 'HOME' ENTERED AT 15:22:03 ON 12 DEC 2010)

FILE 'REGISTRY' ENTERED AT 15:22:25 ON 12 DEC 2010

E PHYTIC ACID/CN

L1 1 SEA ABB=ON PLU=ON "PHYTIC ACID"/CN
 D L1

FILE 'HCAPLUS' ENTERED AT 15:24:01 ON 12 DEC 2010

L2 8943 SEA ABB=ON PLU=ON L1
 L3 56 SEA ABB=ON PLU=ON L2 (P) (CUTANEOUS OR PERCUTANEOUS OR
 TOPICAL OR CREAM OR OINTMENT OR LOTION OR SKIN CARE OR
 DERMATOLOGICAL OR TRANSDERMAL)
 L4 1 SEA ABB=ON PLU=ON L3 AND (CALCIFICATION OR CALCIUM DEPOSITION
 OR CALCIUM CRYSTAL) (P) (TREAT? OR REDUC? OR INHIBIT?)
 L5 1 SEA ABB=ON PLU=ON L3 AND (CALCIFICATION OR CALCIUM DEPOSITION
 OR CALCIUM CRYSTAL) (P) (TREAT? OR REDUC? OR INHIBIT? OR
 PREVENT)
 L6 2 SEA ABB=ON PLU=ON L3 AND (CALCIFICATION OR CALCIUM DEPOSITION
 OR CALCIUM CRYSTAL)
 D L6 1- IBIB
 L7 195 SEA ABB=ON PLU=ON L2 AND (CUTANEOUS OR PERCUTANEOUS OR
 TOPICAL OR CREAM OR OINTMENT OR LOTION OR SKIN CARE OR
 DERMATOLOGICAL OR TRANSDERMAL)
 L8 3 SEA ABB=ON PLU=ON L7 AND (CALCIFICATION OR CALCIUM DEPOSITION
 OR CALCIUM CRYSTAL)
 L9 1 SEA ABB=ON PLU=ON L8 NOT L6
 D L9
 L10 38 SEA ABB=ON PLU=ON L2 AND (CALCIFICATION OR CALCIUM DEPOSITION
 OR CALCIUM CRYSTAL)
 L11 17 SEA ABB=ON PLU=ON L2 (P) (CALCIFICATION OR CALCIUM DEPOSITION
 OR CALCIUM CRYSTAL)
 L12 4 SEA ABB=ON PLU=ON L2 (P) (CALCIFICATION OR CALCIUM DEPOSITION
 OR CALCIUM CRYSTAL) (P) (KIDNEY OR RENAL OR CEREBRAL OR

HEART OR LUNG OR PULMONARY OR CARDIAC OR CARDIOVASCULAR)
D L12 IBIB 1-
D L12 IBIB 4 KWIC

FILE HOME

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 10 DEC 2010 HIGHEST RN 1256333-24-0
DICTIONARY FILE UPDATES: 10 DEC 2010 HIGHEST RN 1256333-24-0

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TSCA INFORMATION NOW CURRENT THROUGH June 26, 2010.

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<http://www.cas.org/support/stngen/stndoc/properties.html>

FILE HCAPLUS

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FILE COVERS 1907 - 12 Dec 2010 VOL 153 ISS 25
FILE LAST UPDATED: 10 Dec 2010 (20101210/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2010
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2010

HCAplus now includes complete International Patent Classification (IPC) reclassification data for the fourth quarter of 2010.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l7 and (kidney or renal or cerebral or heart or lung or pulmonary or cardiac or cardiovascular)

363363 KIDNEY
72562 KIDNEYS
385880 KIDNEY
(KIDNEY OR KIDNEYS)
194051 RENAL

12 RENALS
 194056 RENAL
 (RENAL OR RENALS)
 128659 CEREBRAL
 414365 HEART
 33894 HEARTS
 417009 HEART
 (HEART OR HEARTS)
 262498 LUNG
 51899 LUNGS
 279051 LUNG
 (LUNG OR LUNGS)
 126273 PULMONARY
 165090 CARDIAC
 48 CARDIACS
 165116 CARDIAC
 (CARDIAC OR CARDIACS)
 150122 CARDIOVASCULAR
 4 CARDIOVASCULARS
 150125 CARDIOVASCULAR
 (CARDIOVASCULAR OR CARDIOVASCULARS)
 L13 7 L7 AND (KIDNEY OR RENAL OR CEREBRAL OR HEART OR LUNG OR PULMONAR
 Y OR CARDIAC OR CARDIOVASCULAR)

=> d l13 ibib kwic 1-
 YOU HAVE REQUESTED DATA FROM 7 ANSWERS - CONTINUE? Y/(N):y

L13 ANSWER 1 OF 7 HCAPLUS COPYRIGHT 2010 ACS on STN
 ACCESSION NUMBER: 2006:834984 HCAPLUS
 DOCUMENT NUMBER: 145:305564
 TITLE: Absorption of myo-inositol hexakisphos (InsP6) through
 the skin in humans
 AUTHOR(S): Grases, F.; Isern, B.; Perello, J.; Sanchis, P.;
 Costa-Bauza, A.
 CORPORATE SOURCE: Laboratory of Renal Lithiasis Research, Faculty of
 Sciences, University of Balearic Islands, Palma de
 Mallorca, 07122, Spain
 SOURCE: Pharmazie (2006), 61(7), 652
 CODEN: PHARAT; ISSN: 0031-7144
 PUBLISHER: Govi-Verlag Pharmazeutischer Verlag GmbH
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD
 (3 CITINGS)
 REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

AB . . . paper, we present a pilot study of the of myo-inositol
 hexakisphosphate (InsP6, phytate) skin in humans. We found that, after
 topical treatment with a 4% InsP6 rich gel, InsP6 urinary
 excretion increased 54% compared to the control situation (participants
 submitted to. . . for 15 days, n = 6), clearly demonstrating that InsP6
 is absorbed the skin of humans. These results demonstrate the
 topical application as a suitable administration route of InsP6 in
 humans.

ST inositol hexakisphos topical gel absorption excretion
 IT Human
 Kidney
 Skin
 (absorption of myo-inositol hexakisphos topical gel through
 the skin in humans)

IT Biological transport
 (excretion; absorption of myo-inositol hexakisphos topical

gel through the skin in humans)
 IT Drug delivery systems
 (gels, topical; absorption of myo-inositol hexakisphos
 topical gel through the skin in humans)
 IT Biological transport
 (uptake; absorption of myo-inositol hexakisphos topical gel
 through the skin in humans)
 IT 83-86-3
 RL: PKT (Pharmacokinetics); THU (Therapeutic use); BIOL (Biological
 study); USES (Uses)
 (absorption of myo-inositol hexakisphos topical gel through
 the skin in humans)

L13 ANSWER 2 OF 7 HCAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2005:1308816 HCAPLUS

DOCUMENT NUMBER: 144:343297

TITLE: Phytate (myo-inositol hexakisphosphate) inhibits
 cardiovascular calcifications in rats

AUTHOR(S): Grases, Felix; Sanchis, Pilar; Perello, Joan; Isern,
 Bernat; Prieto, Rafel Maria; Fernandez-Palomeque,
 Carlos; Fiol, Miguel; Bonnin, Oriol; Torres, Jose Juan

CORPORATE SOURCE: University Institute of Health Sciences Research
 (IUNICS), University of Balearic Islands, Spain

SOURCE: Frontiers in Bioscience (2006), 11(1), 136-142
 CODEN: FRBIF6; ISSN: 1093-4715
 URL: [http://www.bioscience.org/2006/v11/af/1786/fullte
 xt.htm](http://www.bioscience.org/2006/v11/af/1786/fulltext.htm)

PUBLISHER: Frontiers in Bioscience

DOCUMENT TYPE: Journal; (online computer file)

LANGUAGE: English

OS.CITING REF COUNT: 13 THERE ARE 13 CAPLUS RECORDS THAT CITE THIS
 RECORD (13 CITINGS)

REFERENCE COUNT: 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

TI Phytate (myo-inositol hexakisphosphate) inhibits cardiovascular
 calcifications in rats

AB Calcification is an undesirable disorder, which frequently occurs in the
 heart vessels. In general, the formation of calcific vascular
 lesions involves complex physicochem. and mol. events. Calcification
 (hydroxyapatite) is initiated by. . . intake but it can also be
 absorbed topically. In this paper, the capacity of InsP6 as a potential
 inhibitor of cardiovascular calcifications was assessed in
 Wistar rats. Three groups were included, a control group, an InsP6
 treated group (subjected to calcinosis induction by Vitamin D and nicotine
 and treated with std. cream with a 2% of InsP6 as potassium
 salt) and an InsP6 nontreated group (only subjected to calcinosis
 induction). All rats. . . 60 h of calcinosis treatment, all rats of
 the InsP6 non-treated group died and the rest were sacrificed. Aortas and
 hearts were removed. A highly significant increase in the calcium
 content of aorta and heart tissue was obsd. in the InsP6
 non-treated rats (21 +/- 1 mg calcium / g dry aorta tissue, 10 +/- 1 mg
 calcium / g dry heart tissue) when compared with controls (1.3
 +/- 0.1 mg calcium / g dry aorta tissue, 0.023 +/- 0.004 mg calcium / g
 heart dry tissue) and InsP6 treated (0.9 +/- 0.2 mg calcium / g
 dry aorta tissue, 0.30 +/- 0.03 mg calcium / g dry heart tissue)
 animals. Only InsP6 non-treated rats displayed important mineral deposits
 in aorta and heart. These findings are consistent with the
 action of InsP6, as an inhibitor of calcification of
 cardiovascular system.

ST phytate Myo inositol hexakisphosphate cardiovascular
 calcification calcium calcinosis

IT Calcification

(disorder, calcinosis; phytate inhibits cardiovascular calcifications in rat)

IT Heart
(phytate inhibits cardiovascular calcifications in rat)

IT 7440-70-2, Calcium, biological studies
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(phytate inhibits cardiovascular calcifications in rat)

IT 83-86-3
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL
(Biological study); USES (Uses)
(phytate inhibits cardiovascular calcifications in rat)

L13 ANSWER 3 OF 7 HCAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2005:546880 HCAPLUS

DOCUMENT NUMBER: 143:83457

TITLE: compositions facilitating translocation of therapeutic effector across biol. barrier comprising hydrophobic agent, counter ion, penetrating peptide, and/or protease inhibitor

INVENTOR(S): Ben-Sasson, Shmuel A.; Cohen, Einat

PATENT ASSIGNEE(S): Israel

SOURCE: U.S. Pat. Appl. Publ., 59 pp., Cont.-in-part of U.S. Ser. No. 665,184.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 4

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20050136103	A1	20050623	US 2004-942300	20040916
US 20040146549	A1	20040729	US 2003-665184	20030917
US 7115707	B2	20061003		
US 20050058702	A1	20050317	US 2003-664989	20030917
PRIORITY APPLN. INFO.:			US 2003-503615P	P 20030917
			US 2003-664989	A2 20030917
			US 2003-665184	A2 20030917
			US 2002-355396P	P 20020207
			WO 2003-IB968	A2 20030207

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 143:83457

OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD
(1 CITINGS)

IT Alzheimer's disease
Anemia (disease)
Antioxidants
Atherosclerosis
Autoimmune disease
Biological transport
Blood, disease
Blood-brain barrier
Cardiovascular system, disease
Cell membrane
Diabetes insipidus
Diabetes mellitus
Encapsulation
Endocrine system, disease
Endothelium
Epithelium
Eye, disease
Fertility disorders

Fibrosis
 Immune disease
 Immunodeficiency
 Infection
 Kidney, disease
 Metabolic disorders
 Multiple sclerosis
 Mycosis
 Neoplasm
 Obesity
 Osteoporosis
 Parkinson's disease
 Peptidomimetics
 Rheumatic diseases
 Vaccines

(comps. for facilitating translocation of therapeutic effector across
 biol. barrier comprising hydrophobic agent, counter ion, penetrating
 peptide, and/or protease inhibitor)

- IT Kidney, disease
 (failure; comps. for facilitating translocation of therapeutic
 effector across biol. barrier comprising hydrophobic agent, counter
 ion, penetrating peptide, and/or protease inhibitor)
- IT Drug delivery systems
 (ointments, creams; comps. for facilitating
 translocation of therapeutic effector across biol. barrier comprising
 hydrophobic agent, counter ion, penetrating peptide, and/or protease
 inhibitor)
- IT Drug delivery systems
 (pulmonary; comps. for facilitating translocation of
 therapeutic effector across biol. barrier comprising hydrophobic agent,
 counter ion, penetrating peptide, and/or protease inhibitor)
- IT Drug delivery systems
 (topical; comps. for facilitating translocation of
 therapeutic effector across biol. barrier comprising hydrophobic agent,
 counter ion, penetrating peptide, and/or protease inhibitor)
- IT Drug delivery systems
 (transdermal; comps. for facilitating translocation of
 therapeutic effector across biol. barrier comprising hydrophobic agent,
 counter ion, penetrating peptide, and/or protease inhibitor)
- IT 71-44-3, Spermine 83-86-3, Phytic acid 9002-89-5, Polyvinyl
 alcohol 9003-39-8, Polyvinylpyrrolidone 57680-56-5, Sucrose
 octasulfate
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (protein stabilizer; comps. for facilitating translocation of
 therapeutic effector across biol. barrier comprising hydrophobic agent,
 counter ion, penetrating peptide, and/or protease inhibitor)

L13 ANSWER 4 OF 7 HCAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2005:426442 HCAPLUS
 DOCUMENT NUMBER: 142:451866
 TITLE: Myo-inositol hexaphosphate for topical use
 INVENTOR(S): Grases Freixedas, Felicia; Perello Bestard, Joan;
 Isern Amengual, Bernat; Prieto Almirall, Rafael; Costa
 Bauza, Antonia
 PATENT ASSIGNEE(S): Universitat de les Illes Balears, Spain; Grases
 Freixedas, Felicia; Isern Amengual, Bernat; Prieto
 Almirall, Rafael; Costa Bauza, Antonia
 SOURCE: PCT Int. Appl., 19 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005044278	A1	20050519	WO 2004-IB3588	20041103
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
ES 2232302	A1	20050516	ES 2003-2600	20031107
ES 2232302	B1	20060801		
CA 2544963	A1	20050519	CA 2004-2544963	20041103
CA 2544963	C	20100330		
EP 1680128	A1	20060719	EP 2004-798764	20041103
EP 1680128	B1	20070214		
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS			
BR 2004015713	A	20061219	BR 2004-15713	20041103
AT 353655	T	20070315	AT 2004-798764	20041103
JP 2007510710	T	20070426	JP 2006-538978	20041103
PT 1680128	E	20070531	PT 2004-798764	20041103
ES 2282920	T3	20071016	ES 2004-798764	20041103
MX 2006005043	A	20070315	MX 2006-5043	20060504
US 20070066574	A1	20070322	US 2006-595709	20060505
PRIORITY APPLN. INFO.:			ES 2003-2600	A 20031107
			WO 2004-IB3588	W 20041103

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

TI Myo-inositol hexaphosphate for topical use

AB A compn. comprises myo-inositol hexaphosphate for topical administration for utilization in the treatment or prevention of a disease assocd. with the development of heterogeneous nucleants in a. . .

ST myo-inositol hexaphosphate topical

IT Blood vessel

Brain

Calcification

Kidney

Lung

(myo-inositol hexaphosphate for topical use)

IT Animal tissue

(soft; myo-inositol hexaphosphate for topical use)

IT Drug delivery systems

(topical; myo-inositol hexaphosphate for topical use)

IT 83-86-3, myo-Inositol hexaphosphate 14306-25-3, Sodium phytate

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(myo-inositol hexaphosphate for topical use)

L13 ANSWER 5 OF 7 HCAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2005:238432 HCAPLUS

DOCUMENT NUMBER: 142:303641

TITLE: Compositions capable of facilitating penetration

across a biological barrier
INVENTOR(S): Ben-Sasson, Shmuel A.; Cohen, Einat
PATENT ASSIGNEE(S): Israel
SOURCE: U.S. Pat. Appl. Publ., 12 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20050058702	A1	20050317	US 2003-664989	20030917
US 20050136103	A1	20050623	US 2004-942300	20040916
AU 2004317954	A1	20051013	AU 2004-317954	20040917
CA 2539043	A1	20051013	CA 2004-2539043	20040917
WO 2005094785	A2	20051013	WO 2004-IB4452	20040917
WO 2005094785	A3	20060323		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1670500	A2	20060621	EP 2004-821561	20040917
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
JP 2007523050	T	20070816	JP 2006-526736	20040917
US 20070172517	A1	20070726	US 2006-572249	20061213
US 20070275055	A1	20071129	US 2007-879374	20070716
PRIORITY APPLN. INFO.:				
			US 2003-503615P	P 20030917
			US 2003-664989	A2 20030917
			US 2003-665184	A2 20030917
			WO 2004-IB4452	W 20040917

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD
(1 CITINGS)

IT Kidney, disease
(failure, treatment of; compns. capable of facilitating penetration across biol. barrier comprising effectors and counter ions)

IT Drug delivery systems
(ointments, creams; compns. capable of facilitating penetration across biol. barrier comprising effectors and counter ions)

IT Drug delivery systems
(ointments; compns. capable of facilitating penetration across biol. barrier comprising effectors and counter ions)

IT Drug delivery systems
(transdermal; compns. capable of facilitating penetration across biol. barrier comprising effectors and counter ions)

IT Alzheimer's disease
Anemia (disease)
Atherosclerosis
Autoimmune disease
Blood, disease
Blood coagulation disorders
Cardiovascular system, disease
Diabetes mellitus

Endocrine system, disease
 Eye, disease
 Fertility disorders
 Fibrosis
 Heart, disease
 Immune disease
 Immunodeficiency
 Infection
 Kidney, disease
 Metabolic disorders
 Multiple sclerosis
 Mycosis
 Neoplasm
 Obesity
 Osteoporosis
 Parkinson's disease
 Rheumatic diseases

(treatment of; compns. capable of facilitating penetration across biol. barrier comprising effectors and counter ions)

IT 53-79-2, Puromycin 55-91-4, DFP 57-88-5D, Cholesterol, fatty acid esters 60-00-4, EDTA, biological studies 60-00-4D, EDTA, chitosan conjugates 64-17-5, Ethanol, biological studies 66-71-7, 1,10-Phenanthroline 67-63-0, Isopropanol, biological studies 67-68-5, Dimethyl sulfoxide, biological studies 68-12-2, DMF, biological studies 71-23-8, Propanol, biological studies 71-36-3, n-Butanol, biological studies 75-65-0, tert-Butanol, biological studies 78-83-1, Isobutanol, biological studies 79-10-7D, Acrylic acid, derivs., polymers 83-86-3, Phytic acid 120-51-4, Benzyl benzoate 123-51-3, Isoamyl alcohol 329-98-6, PMSF 501-52-0, Benzenepropanoic acid 516-50-7D, Taurodeoxycholic acid, salts 621-71-6, Tricaprin 863-57-0, Sodium glycocholate 1405-87-4, Bacitracin 2364-87-6, TLCK 3858-83-1, p-Aminobenzamidine 6303-21-5D, Phosphinic acid, dipeptide analogs 8001-27-2, Hirudin 9002-64-6, Parathyroid hormone 9002-67-9, Luteinizing hormone 9002-68-0, FSH 9002-72-6, Growth hormone 9004-10-8, Insulin, biological studies 9004-61-9, Hyaluronic acid 9005-49-6, Heparin, biological studies 9007-12-9, Calcitonin 9007-28-7, Chondroitin sulfate 9012-76-4D, Chitosan, EDTA conjugates 9034-40-6D, LHRH, analogs 9041-92-3, .alpha.1-Antitrypsin 9050-30-0 9076-44-2, Chymostatin 9078-38-0, Soybean trypsin inhibitor 9087-70-1, Aprotinin 11096-26-7, Erythropoietin 24967-94-0, Dermatan sulfate 25322-68-3, Polyethylene glycol 30827-99-7, AEBSF 36357-77-4, Phosphoramidon 37213-49-3, .alpha.-Melanotropin 37330-34-0, Bowman-Birk inhibitor 37691-11-5, Antipain 42228-92-2, Acivicin 45470-32-4, 1,3-Dimethylimidazolium 51798-45-9, Elastatinal 51839-17-9 55123-66-5, Leupeptin 58970-76-6, Bestatin 59721-29-8, Camostat mesylate 61909-81-7, Solutol HS15 64111-53-1 65039-03-4, 1-Ethyl-3-methylimidazolium 65144-34-5 67655-94-1, Amastatin 70904-56-2, Kyotorphin 71933-13-6 76721-89-6, Thiorphan 80432-08-2, 1-Butyl-3-methylimidazolium 81733-79-1, Dalargin 83869-56-1, GM-CSF 85100-82-9, 1-Hexyl-3-methylimidazolium 88105-67-3 89703-10-6, FK-448 89750-14-1, Glucagon-like peptide 1 106096-93-9, BFGF 106392-12-5, Poloxamer 125867-77-8 128270-60-0, Hirulog 143011-72-7, G-CSF 157310-70-8, 1,2-Dimethyl-3-propylimidazolium 159519-65-0, T20 178631-03-3, 1-Methyl-3-octylimidazolium 313475-49-9 343952-32-9 847835-84-1D, sugar complexes

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(compns. capable of facilitating penetration across biol. barrier comprising effectors and counter ions)

L13 ANSWER 6 OF 7 HCAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2004:609742 HCAPLUS

DOCUMENT NUMBER: 141:162351

TITLE: Peptides capable of facilitating penetration across a biological barrier and their use in drug delivery
 INVENTOR(S): Ben-Sasson, Shmuel A.; Cohen, Einat
 PATENT ASSIGNEE(S): Chiasma, Inc., USA
 SOURCE: U.S. Pat. Appl. Publ., 54 pp., Cont.-in-part of Appl. No. PCT/03IB/00968.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 4
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20040146549	A1	20040729	US 2003-665184	20030917
US 7115707	B2	20061003		
WO 2003066859	A2	20030814	WO 2003-IB968	20030207
WO 2003066859	A3	20040513		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 20050136103	A1	20050623	US 2004-942300	20040916
AU 2004317954	A1	20051013	AU 2004-317954	20040917
CA 2539043	A1	20051013	CA 2004-2539043	20040917
WO 2005094785	A2	20051013	WO 2004-IB4452	20040917
WO 2005094785	A3	20060323		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1670500	A2	20060621	EP 2004-821561	20040917
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
JP 2007523050	T	20070816	JP 2006-526736	20040917
US 20060251713	A1	20061109	US 2006-489391	20060718
US 20070172517	A1	20070726	US 2006-572249	20061213
PRIORITY APPLN. INFO.:				
US 2002-355396P P 20020207				
WO 2003-IB968 A2 20030207				
US 2003-503615P P 20030917				
US 2003-664989 A2 20030917				
US 2003-665184 A2 20030917				
WO 2004-IB4452 W 20040917				
OS.CITING REF COUNT:	4	THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (6 CITINGS)		
REFERENCE COUNT:	42	THERE ARE 42 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		
AB . . . Thus, a conserved peptide sequence from an Haemophilus influenzae protein involved in paracytosis facilitates penetration of this bacterium				

between human lung epithelial cells without compromising the epithelial barrier. This peptide, and similar peptides from other bacteria or from human NK-1 and. . .

- IT Drug delivery systems
(ointments, creams; peptides capable of
facilitating penetration across biol. barrier and their use in drug
delivery)
- IT Alzheimer's disease
Anti-Alzheimer's agents
Antidiabetic agents
Antiobesity agents
Antiparkinsonian agents
Atherosclerosis
Blood, disease
Blood coagulation disorders
Cardiovascular system, disease
Diabetes insipidus
Diabetes mellitus
Drug delivery systems
Endocrine system, disease
Fertility disorders
Heart, disease
Human
Metabolic disorders
Neoplasm
Obesity
Osteoporosis
Parkinson's disease
(peptides capable of facilitating penetration across biol. barrier and
their use in drug delivery)
- IT 83-86-3, Phytic acid 151-21-3, Sodium dodecyl sulphate,
biological studies 327-57-1, Norleucine 672-15-1, Homoserine
2373-23-1, Dioctyl sulfosuccinate 6027-13-0, Homocysteine 6600-40-4,
Norvaline 13073-35-3, Ethionine 16749-13-6D, Phosphonium, derivs.
16969-45-2D, Pyridinium, derivs. 45470-32-4, 1,3-Dimethylimidazolium
64111-53-1 65039-03-4, 1-Ethyl-3-methylimidazolium 80432-08-2,
1-Butyl-3-methylimidazolium 85100-82-9, 1-Hexyl-3-methylimidazolium
125867-77-8 157310-70-8, 1,2-Dimethyl-3-propylimidazolium 178631-03-3,
1-Methyl-3-octylimidazolium 313475-49-9 343952-32-9
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(peptide comprising; peptides capable of facilitating penetration
across biol. barrier and their use in drug delivery)

L13 ANSWER 7 OF 7 HCAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2000:772438 HCAPLUS
DOCUMENT NUMBER: 133:340235
TITLE: Carnitine and inositol phosphate-containing
composition useful as dietary supplement or drug
INVENTOR(S): Cavazza, Claudio
PATENT ASSIGNEE(S): Sigma-Tau Healthscience S.p.A., Italy
SOURCE: PCT Int. Appl., 21 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2000064426	A2	20001102	WO 2000-IT158	20000419
WO 2000064426	A3	20010525		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ,				

DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS,
 JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG,
 MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL,
 TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW
 RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
 DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
 CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

IT 1306133	B1	20010530	IT 1999-RM248	19990422
CA 2335015	A1	20001102	CA 2000-2335015	20000419
CA 2335015	C	20080318		
BR 2000006076	A	20010320	BR 2000-6076	20000419
TR 2000003737	T1	20010723	TR 2000-3737	20000419
EP 1119363	A2	20010801	EP 2000-922866	20000419
EP 1119363	B1	20050713		

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO

HU 2001002926	A2	20020328	HU 2001-2926	20000419
HU 2001002926	A3	20021228		
EE 2000000742	A	20020415	EE 2000-742	20000419
JP 2002542282	T	20021210	JP 2000-613417	20000419
AU 776591	B2	20040916	AU 2000-43135	20000419
AT 299370	T	20050715	AT 2000-922866	20000419
PT 1119363	E	20050930	PT 2000-922866	20000419
ES 2243254	T3	20051201	ES 2000-922866	20000419
PL 197885	B1	20080530	PL 2000-346160	20000419
NO 2000006429	A	20010220	NO 2000-6429	20001215
MX 2000012907	A	20010622	MX 2000-12907	20001220
US 6565876	B1	20030520	US 2000-720099	20001221

PRIORITY APPLN. INFO.:

IT 1999-RM248	A	19990422
WO 2000-IT158	W	20000419

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD
 (1 CITINGS)

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

AB A compn. is disclosed suitable for the prevention and/or treatment of
 cardiovascular and neurocerebral disorders, tissue anoxic forms,
 muscular energy deficits, inflammatory-type abnormalities, alterations of
 blood coagulation such as thrombosis, and tissue. . .

IT Aging, animal
 Anticoagulants
 Antioxidants
 Brain
 Brain, disease
 Cardiovascular system
 Cytotoxic agents
 (medication and dietary supplements contg. carnitine and inositol
 phosphate)

IT Drug delivery systems
 (transdermal; medication and dietary supplements contg.
 carnitine and inositol phosphate)

IT 50-81-7, L-Ascorbic acid, biological studies 59-30-3, biological studies
 59-43-8, biological studies 68-19-9, Vitamin B12 83-86-3
 83-88-5, Riboflavin, biological studies 87-89-8, myo-Inositol 98-92-0,
 3-Pyridinecarboxamide 303-98-0 541-15-1 1406-18-4, Vitamin E
 3040-38-8 7235-40-7, .beta.,.beta.-Carotene 7782-49-2, Selenium,
 biological studies 8059-24-3, Vitamin B6 20064-19-1 25576-40-3
 25663-09-6 27121-72-8 31023-24-2 40225-14-7 105182-27-2

RL: BAC (Biological activity or effector, except adverse); BSU (Biological
 study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES
 (Uses)

(medication and dietary supplements contg. carnitine and inositol

phosphate)

=> d his full

(FILE 'HOME' ENTERED AT 15:22:03 ON 12 DEC 2010)

FILE 'REGISTRY' ENTERED AT 15:22:25 ON 12 DEC 2010

E PHYTIC ACID/CN

L1 1 SEA ABB=ON PLU=ON "PHYTIC ACID"/CN
D L1

FILE 'HCAPLUS' ENTERED AT 15:24:01 ON 12 DEC 2010

L2 8943 SEA ABB=ON PLU=ON L1

L3 56 SEA ABB=ON PLU=ON L2 (P) (CUTANEOUS OR PERCUTANEOUS OR
TOPICAL OR CREAM OR OINTMENT OR LOTION OR SKIN CARE OR
DERMATOLOGICAL OR TRANSDERMAL)

L4 1 SEA ABB=ON PLU=ON L3 AND (CALCIFICATION OR CALCIUM DEPOSITION
OR CALCIUM CRYSTAL) (P) (TREAT? OR REDUC? OR INHIBIT?)

L5 1 SEA ABB=ON PLU=ON L3 AND (CALCIFICATION OR CALCIUM DEPOSITION
OR CALCIUM CRYSTAL) (P) (TREAT? OR REDUC? OR INHIBIT? OR
PREVENT)

L6 2 SEA ABB=ON PLU=ON L3 AND (CALCIFICATION OR CALCIUM DEPOSITION
OR CALCIUM CRYSTAL)
D L6 1- IBIB

L7 195 SEA ABB=ON PLU=ON L2 AND (CUTANEOUS OR PERCUTANEOUS OR
TOPICAL OR CREAM OR OINTMENT OR LOTION OR SKIN CARE OR
DERMATOLOGICAL OR TRANSDERMAL)

L8 3 SEA ABB=ON PLU=ON L7 AND (CALCIFICATION OR CALCIUM DEPOSITION
OR CALCIUM CRYSTAL)

L9 1 SEA ABB=ON PLU=ON L8 NOT L6
D L9

L10 38 SEA ABB=ON PLU=ON L2 AND (CALCIFICATION OR CALCIUM DEPOSITION
OR CALCIUM CRYSTAL)

L11 17 SEA ABB=ON PLU=ON L2 (P) (CALCIFICATION OR CALCIUM DEPOSITION
OR CALCIUM CRYSTAL)

L12 4 SEA ABB=ON PLU=ON L2 (P) (CALCIFICATION OR CALCIUM DEPOSITION
OR CALCIUM CRYSTAL) (P) (KIDNEY OR RENAL OR CEREBRAL OR
HEART OR LUNG OR PULMONARY OR CARDIAC OR CARDIOVASCULAR)
D L12 IBIB 1-
D L12 IBIB 4 KWIC

L13 7 SEA ABB=ON PLU=ON L7 AND (KIDNEY OR RENAL OR CEREBRAL OR
HEART OR LUNG OR PULMONARY OR CARDIAC OR CARDIOVASCULAR)
D L13 IBIB KWIC 1-

FILE HOME

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 10 DEC 2010 HIGHEST RN 1256333-24-0

DICTIONARY FILE UPDATES: 10 DEC 2010 HIGHEST RN 1256333-24-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 26, 2010.

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

FILE HCAPLUS

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FILE COVERS 1907 - 12 Dec 2010 VOL 153 ISS 25
FILE LAST UPDATED: 10 Dec 2010 (20101210/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2010
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2010

HCAplus now includes complete International Patent Classification (IPC) reclassification data for the fourth quarter of 2010.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d his full

(FILE 'HOME' ENTERED AT 15:22:03 ON 12 DEC 2010)

FILE 'REGISTRY' ENTERED AT 15:22:25 ON 12 DEC 2010

E PHYTIC ACID/CN

L1 1 SEA ABB=ON PLU=ON "PHYTIC ACID"/CN
D L1

FILE 'HCAPLUS' ENTERED AT 15:24:01 ON 12 DEC 2010

L2 8943 SEA ABB=ON PLU=ON L1

L3 56 SEA ABB=ON PLU=ON L2 (P) (CUTANEOUS OR PERCUTANEOUS OR TOPICAL OR CREAM OR OINTMENT OR LOTION OR SKIN CARE OR DERMATOLOGICAL OR TRANSDERMAL)

L4 1 SEA ABB=ON PLU=ON L3 AND (CALCIFICATION OR CALCIUM DEPOSITION OR CALCIUM CRYSTAL) (P) (TREAT? OR REDUC? OR INHIBIT?)

L5 1 SEA ABB=ON PLU=ON L3 AND (CALCIFICATION OR CALCIUM DEPOSITION OR CALCIUM CRYSTAL) (P) (TREAT? OR REDUC? OR INHIBIT? OR PREVENT)

L6 2 SEA ABB=ON PLU=ON L3 AND (CALCIFICATION OR CALCIUM DEPOSITION OR CALCIUM CRYSTAL)
D L6 1- IBIB

L7 195 SEA ABB=ON PLU=ON L2 AND (CUTANEOUS OR PERCUTANEOUS OR TOPICAL OR CREAM OR OINTMENT OR LOTION OR SKIN CARE OR DERMATOLOGICAL OR TRANSDERMAL)

L8 3 SEA ABB=ON PLU=ON L7 AND (CALCIFICATION OR CALCIUM DEPOSITION OR CALCIUM CRYSTAL)

L9 1 SEA ABB=ON PLU=ON L8 NOT L6

D L9
 L10 38 SEA ABB=ON PLU=ON L2 AND (CALCIFICATION OR CALCIUM DEPOSITION
 OR CALCIUM CRYSTAL)
 L11 17 SEA ABB=ON PLU=ON L2 (P) (CALCIFICATION OR CALCIUM DEPOSITION
 OR CALCIUM CRYSTAL)
 L12 4 SEA ABB=ON PLU=ON L2 (P) (CALCIFICATION OR CALCIUM DEPOSITION
 OR CALCIUM CRYSTAL) (P) (KIDNEY OR RENAL OR CEREBRAL OR
 HEART OR LUNG OR PULMONARY OR CARDIAC OR CARDIOVASCULAR)
 D L12 IBIB 1-
 D L12 IBIB 4 KWIC
 L13 7 SEA ABB=ON PLU=ON L7 AND (KIDNEY OR RENAL OR CEREBRAL OR
 HEART OR LUNG OR PULMONARY OR CARDIAC OR CARDIOVASCULAR)
 D L13 IBIB KWIC 1-

FILE HOME

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 10 DEC 2010 HIGHEST RN 1256333-24-0
 DICTIONARY FILE UPDATES: 10 DEC 2010 HIGHEST RN 1256333-24-0

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TSCA INFORMATION NOW CURRENT THROUGH June 26, 2010.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

FILE HCAPLUS

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FILE COVERS 1907 - 12 Dec 2010 VOL 153 ISS 25
 FILE LAST UPDATED: 10 Dec 2010 (20101210/ED)
 REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2010
 USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2010

HCAplus now includes complete International Patent Classification (IPC) reclassification data for the fourth quarter of 2010.

CAS Information Use Policies apply and are available at:

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This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> s l10 and (soft tissue)
    211080 SOFT
      105 SOFTS
    211171 SOFT
      (SOFT OR SOFTS)
    918030 TISSUE
    430403 TISSUES
    1163045 TISSUE
      (TISSUE OR TISSUES)
    15365 SOFT TISSUE
      (SOFT(W)TISSUE)
L14      9 L10 AND (SOFT TISSUE)
```

```
=> d his full
```

```
(FILE 'HOME' ENTERED AT 15:22:03 ON 12 DEC 2010)
```

```
FILE 'REGISTRY' ENTERED AT 15:22:25 ON 12 DEC 2010
```

```
      E PHYTIC ACID/CN
L1      1 SEA ABB=ON PLU=ON "PHYTIC ACID"/CN
      D L1
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```
FILE 'HCAPLUS' ENTERED AT 15:24:01 ON 12 DEC 2010
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```
L2      8943 SEA ABB=ON PLU=ON L1
L3      56 SEA ABB=ON PLU=ON L2 (P) (CUTANEOUS OR PERCUTANEOUS OR
      TOPICAL OR CREAM OR OINTMENT OR LOTION OR SKIN CARE OR
      DERMATOLOGICAL OR TRANSDERMAL)
L4      1 SEA ABB=ON PLU=ON L3 AND (CALCIFICATION OR CALCIUM DEPOSITION
      OR CALCIUM CRYSTAL) (P) (TREAT? OR REDUC? OR INHIBIT?)
L5      1 SEA ABB=ON PLU=ON L3 AND (CALCIFICATION OR CALCIUM DEPOSITION
      OR CALCIUM CRYSTAL) (P) (TREAT? OR REDUC? OR INHIBIT? OR
      PREVENT)
L6      2 SEA ABB=ON PLU=ON L3 AND (CALCIFICATION OR CALCIUM DEPOSITION
      OR CALCIUM CRYSTAL)
      D L6 1- IBIB
L7      195 SEA ABB=ON PLU=ON L2 AND (CUTANEOUS OR PERCUTANEOUS OR
      TOPICAL OR CREAM OR OINTMENT OR LOTION OR SKIN CARE OR
      DERMATOLOGICAL OR TRANSDERMAL)
L8      3 SEA ABB=ON PLU=ON L7 AND (CALCIFICATION OR CALCIUM DEPOSITION
      OR CALCIUM CRYSTAL)
L9      1 SEA ABB=ON PLU=ON L8 NOT L6
      D L9
L10     38 SEA ABB=ON PLU=ON L2 AND (CALCIFICATION OR CALCIUM DEPOSITION
      OR CALCIUM CRYSTAL)
L11     17 SEA ABB=ON PLU=ON L2 (P) (CALCIFICATION OR CALCIUM DEPOSITION
      OR CALCIUM CRYSTAL)
L12     4 SEA ABB=ON PLU=ON L2 (P) (CALCIFICATION OR CALCIUM DEPOSITION
      OR CALCIUM CRYSTAL) (P) (KIDNEY OR RENAL OR CEREBRAL OR
      HEART OR LUNG OR PULMONARY OR CARDIAC OR CARDIOVASCULAR)
      D L12 IBIB 1-
      D L12 IBIB 4 KWIC
L13     7 SEA ABB=ON PLU=ON L7 AND (KIDNEY OR RENAL OR CEREBRAL OR
      HEART OR LUNG OR PULMONARY OR CARDIAC OR CARDIOVASCULAR)
      D L13 IBIB KWIC 1-
L14     9 SEA ABB=ON PLU=ON L10 AND (SOFT TISSUE)
```

```
FILE HOME
```

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 10 DEC 2010 HIGHEST RN 1256333-24-0
DICTIONARY FILE UPDATES: 10 DEC 2010 HIGHEST RN 1256333-24-0

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REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

FILE HCAPLUS

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FILE COVERS 1907 - 12 Dec 2010 VOL 153 ISS 25
FILE LAST UPDATED: 10 Dec 2010 (20101210/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2010
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2010

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d l14 ibib 1-

YOU HAVE REQUESTED DATA FROM 9 ANSWERS - CONTINUE? Y/(N):y

L14 ANSWER 1 OF 9 HCAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2010:362731 HCAPLUS

TITLE: Inositol hexakisphosphate inhibits mineralization of MC3T3-E1 osteoblast cultures

AUTHOR(S): Addison, William N.; McKee, Marc D.

CORPORATE SOURCE: Faculty of Dentistry, McGill University, Montreal, QC, Can.

SOURCE: Bone (Amsterdam, Netherlands) (2010), 46(4), 1100-1107
CODEN: BONEDL; ISSN: 8756-3282

PUBLISHER: Elsevier B.V.

DOCUMENT TYPE: Journal

LANGUAGE: English
REFERENCE COUNT: 62 THERE ARE 62 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 2 OF 9 HCAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2009:607796 HCAPLUS
DOCUMENT NUMBER: 151:378538
TITLE: Role of phytate and osteopontin in the mechanism of
soft tissue calcification
AUTHOR(S): Grases, Felix; Prieto, Rafel M.; Sanchis, Pilar; Saus,
Carles; de Francisco, Teresa
CORPORATE SOURCE: Laboratory of Renal Lithiasis Research, University of
Health Sciences Research, University of Balearic
Islands, Palma of Mallorca, Spain
SOURCE: Journal of Nephrology (2008), 21(5), 768-775
CODEN: JLNEEL; ISSN: 1121-8428
PUBLISHER: Wichtig Editore
DOCUMENT TYPE: Journal
LANGUAGE: English
OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD
(1 CITINGS)
REFERENCE COUNT: 51 THERE ARE 51 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 3 OF 9 HCAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2007:831523 HCAPLUS
DOCUMENT NUMBER: 147:314566
TITLE: Effect of crystallization inhibitors on vascular
calcifications induced by vitamin D - a pilot
study in Sprague-Dawley rats -
AUTHOR(S): Grases, Felix; Sanchis, Pilar; Perello, Joan; Isern,
Bernat; Prieto, Rafel M.; Fernandez-Palomeque, Carlos;
Torres, Jose J.
CORPORATE SOURCE: Laboratory of Renal Lithiasis Research, University
Institute of Health Sciences Research (IUNICS),
University of Balearic Islands, Spain
SOURCE: Circulation Journal (2007), 71(7), 1152-1156
CODEN: CJIOBY; ISSN: 1346-9843
PUBLISHER: Japanese Circulation Society
DOCUMENT TYPE: Journal
LANGUAGE: English
OS.CITING REF COUNT: 8 THERE ARE 8 CAPLUS RECORDS THAT CITE THIS RECORD
(8 CITINGS)
REFERENCE COUNT: 49 THERE ARE 49 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 4 OF 9 HCAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2006:1330548 HCAPLUS
DOCUMENT NUMBER: 146:197449
TITLE: Action of calcium binders. Formation of calcium salts
in the intestinal tract and the blood circulatory
system
AUTHOR(S): Yaquelo, Cesar Martinez
CORPORATE SOURCE: Facultad de Quimica y Farmacia, Universidad de la
Republica Oriental del Uruguay, Montevideo, Urug.
SOURCE: Acta Bioquimica Clinica Latinoamericana (2006), 40(2),
213-217
CODEN: ABCLDL; ISSN: 0325-2957
PUBLISHER: Federacion Bioquimica de la Provincia de Buenos Aires
DOCUMENT TYPE: Journal; General Review
LANGUAGE: English
REFERENCE COUNT: 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 5 OF 9 HCAPLUS COPYRIGHT 2010 ACS on STN
 ACCESSION NUMBER: 2005:1308816 HCAPLUS
 DOCUMENT NUMBER: 144:343297
 TITLE: Phytate (myo-inositol hexakisphosphate) inhibits cardiovascular calcifications in rats
 AUTHOR(S): Grases, Felix; Sanchis, Pilar; Perello, Joan; Isern, Bernat; Prieto, Rafel Maria; Fernandez-Palomeque, Carlos; Fiol, Miguel; Bonnin, Oriol; Torres, Jose Juan
 CORPORATE SOURCE: University Institute of Health Sciences Research (IUNICS), University of Balearic Islands, Spain
 SOURCE: Frontiers in Bioscience (2006), 11(1), 136-142
 CODEN: FRBIF6; ISSN: 1093-4715
 URL: <http://www.bioscience.org/2006/v11/af/1786/fulltext.htm>
 PUBLISHER: Frontiers in Bioscience
 DOCUMENT TYPE: Journal; (online computer file)
 LANGUAGE: English
 OS.CITING REF COUNT: 13 THERE ARE 13 CAPLUS RECORDS THAT CITE THIS RECORD (13 CITINGS)
 REFERENCE COUNT: 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 6 OF 9 HCAPLUS COPYRIGHT 2010 ACS on STN
 ACCESSION NUMBER: 2005:558322 HCAPLUS
 DOCUMENT NUMBER: 143:109700
 TITLE: Study of a myo-inositol hexaphosphate-based cream to prevent dystrophic calcinosis cutis
 AUTHOR(S): Grases, F.; Perello, J.; Isern, B.; Prieto, R. M.
 CORPORATE SOURCE: Laboratory of Renal Lithiasis Research and Biomineralization, University Institute of Health Sciences Research (IUNICS), University of Balearic Islands, Palma de Mallorca, 07122, Spain
 SOURCE: British Journal of Dermatology (2005), 152(5), 1022-1025
 CODEN: BJDEAZ; ISSN: 0007-0963
 PUBLISHER: Blackwell Publishing Ltd.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OS.CITING REF COUNT: 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD (6 CITINGS)
 REFERENCE COUNT: 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 7 OF 9 HCAPLUS COPYRIGHT 2010 ACS on STN
 ACCESSION NUMBER: 2005:426442 HCAPLUS
 DOCUMENT NUMBER: 142:451866
 TITLE: Myo-inositol hexaphosphate for topical use
 INVENTOR(S): Grases Freixedas, Felicia; Perello Bestard, Joan; Isern Amengual, Bernat; Prieto Almirall, Rafael; Costa Bauza, Antonia
 PATENT ASSIGNEE(S): Universitat de les Illes Balears, Spain; Grases Freixedas, Felicia; Isern Amengual, Bernat; Prieto Almirall, Rafael; Costa Bauza, Antonia
 SOURCE: PCT Int. Appl., 19 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2005044278	A1	20050519	WO 2004-IB3588	20041103
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
ES 2232302	A1	20050516	ES 2003-2600	20031107
ES 2232302	B1	20060801		
CA 2544963	A1	20050519	CA 2004-2544963	20041103
CA 2544963	C	20100330		
EP 1680128	A1	20060719	EP 2004-798764	20041103
EP 1680128	B1	20070214		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
BR 2004015713	A	20061219	BR 2004-15713	20041103
AT 353655	T	20070315	AT 2004-798764	20041103
JP 2007510710	T	20070426	JP 2006-538978	20041103
PT 1680128	E	20070531	PT 2004-798764	20041103
ES 2282920	T3	20071016	ES 2004-798764	20041103
MX 2006005043	A	20070315	MX 2006-5043	20060504
US 20070066574	A1	20070322	US 2006-595709	20060505
PRIORITY APPLN. INFO.:			ES 2003-2600	A 20031107
			WO 2004-IB3588	W 20041103

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 8 OF 9 HCAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2004:341866 HCAPLUS

DOCUMENT NUMBER: 141:88332

TITLE: Dietary myo-inositol hexaphosphate prevents dystrophic calcifications in soft tissues: a pilot study in Wistar rats

AUTHOR(S): Grases, F.; Perello, J.; Prieto, R. M.; Simonet, B. M.; Torres, J. J.

CORPORATE SOURCE: Institute of Health Sciences (IUNICS), Laboratory of Renal Lithiasis Research, University of Balearic Islands, Palma de Mallorca, 07071, Spain

SOURCE: Life Sciences (2004), 75(1), 11-19
CODEN: LIFSAK; ISSN: 0024-3205

PUBLISHER: Elsevier

DOCUMENT TYPE: Journal

LANGUAGE: English

OS.CITING REF COUNT: 17 THERE ARE 17 CAPLUS RECORDS THAT CITE THIS RECORD (17 CITINGS)

REFERENCE COUNT: 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 9 OF 9 HCAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1991:22791 HCAPLUS

DOCUMENT NUMBER: 114:22791

ORIGINAL REFERENCE NO.: 114:4069a,4072a

TITLE: Effect of dietary cereal brans on the metabolism of calcium, phosphorous and magnesium in a long term rat study

AUTHOR(S): Shah, Bhagwan G.; Malcolm, Steve; Belonje, Bartholomeus; Trick, Keith D.; Brassard, Rene; Mongeau, Roger

CORPORATE SOURCE: Nutr. Res. Div., Health and Welfare Canada, Ottawa, ON, K1A 0L2, Can.

SOURCE: Nutrition Research (New York, NY, United States) (1990), 10(9), 1015-28
CODEN: NTRSDC; ISSN: 0271-5317

DOCUMENT TYPE: Journal

LANGUAGE: English

OS.CITING REF COUNT: 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD (6 CITINGS)

=> d his full

(FILE 'HOME' ENTERED AT 15:22:03 ON 12 DEC 2010)

FILE 'REGISTRY' ENTERED AT 15:22:25 ON 12 DEC 2010

E PHYTIC ACID/CN

L1 1 SEA ABB=ON PLU=ON "PHYTIC ACID"/CN
D L1

FILE 'HCAPLUS' ENTERED AT 15:24:01 ON 12 DEC 2010

L2 8943 SEA ABB=ON PLU=ON L1

L3 56 SEA ABB=ON PLU=ON L2 (P) (CUTANEOUS OR PERCUTANEOUS OR TOPICAL OR CREAM OR OINTMENT OR LOTION OR SKIN CARE OR DERMATOLOGICAL OR TRANSDERMAL)

L4 1 SEA ABB=ON PLU=ON L3 AND (CALCIFICATION OR CALCIUM DEPOSITION OR CALCIUM CRYSTAL) (P) (TREAT? OR REDUC? OR INHIBIT?)

L5 1 SEA ABB=ON PLU=ON L3 AND (CALCIFICATION OR CALCIUM DEPOSITION OR CALCIUM CRYSTAL) (P) (TREAT? OR REDUC? OR INHIBIT? OR PREVENT)

L6 2 SEA ABB=ON PLU=ON L3 AND (CALCIFICATION OR CALCIUM DEPOSITION OR CALCIUM CRYSTAL)
D L6 1- IBIB

L7 195 SEA ABB=ON PLU=ON L2 AND (CUTANEOUS OR PERCUTANEOUS OR TOPICAL OR CREAM OR OINTMENT OR LOTION OR SKIN CARE OR DERMATOLOGICAL OR TRANSDERMAL)

L8 3 SEA ABB=ON PLU=ON L7 AND (CALCIFICATION OR CALCIUM DEPOSITION OR CALCIUM CRYSTAL)

L9 1 SEA ABB=ON PLU=ON L8 NOT L6
D L9

L10 38 SEA ABB=ON PLU=ON L2 AND (CALCIFICATION OR CALCIUM DEPOSITION OR CALCIUM CRYSTAL)

L11 17 SEA ABB=ON PLU=ON L2 (P) (CALCIFICATION OR CALCIUM DEPOSITION OR CALCIUM CRYSTAL)

L12 4 SEA ABB=ON PLU=ON L2 (P) (CALCIFICATION OR CALCIUM DEPOSITION OR CALCIUM CRYSTAL) (P) (KIDNEY OR RENAL OR CEREBRAL OR HEART OR LUNG OR PULMONARY OR CARDIAC OR CARDIOVASCULAR)
D L12 IBIB 1-
D L12 IBIB 4 KWIC

L13 7 SEA ABB=ON PLU=ON L7 AND (KIDNEY OR RENAL OR CEREBRAL OR HEART OR LUNG OR PULMONARY OR CARDIAC OR CARDIOVASCULAR)
D L13 IBIB KWIC 1-

L14 9 SEA ABB=ON PLU=ON L10 AND (SOFT TISSUE)
D L14 IBIB 1-

FILE HOME

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

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DICTIONARY FILE UPDATES: 10 DEC 2010 HIGHEST RN 1256333-24-0

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FILE COVERS 1907 - 12 Dec 2010 VOL 153 ISS 25

FILE LAST UPDATED: 10 Dec 2010 (20101210/ED)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2010

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2010

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This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> s (12 or 13 or 17 or 113) and (calcium (5a) build (2a) up or tissue (5a) harden?)
    1009972 CALCIUM
        41 CALCIUMS
    1009977 CALCIUM
        (CALCIUM OR CALCIUMS)
    47219 BUILD
    6552 BUILDS
    53497 BUILD
        (BUILD OR BUILDS)
    1594520 UP
    16057 UPS
    1607902 UP
```

(UP OR UPS)
 48 CALCIUM (5A) BUILD (2A) UP
 918030 TISSUE
 430403 TISSUES
 1163045 TISSUE
 (TISSUE OR TISSUES)
 230224 HARDEN?
 261 TISSUE (5A) HARDEN?
 L15 1 (L2 OR L3 OR L7 OR L13) AND (CALCIUM (5A) BUILD (2A) UP OR TISSU
 E (5A) HARDEN?)

=> d 115

L15 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2010 ACS on STN
 AN 2006:1330548 HCAPLUS
 DN 146:197449
 TI Action of calcium binders. Formation of calcium salts in the intestinal
 tract and the blood circulatory system
 AU Yaquelo, Cesar Martinez
 CS Facultad de Quimica y Farmacia, Universidad de la Republica Oriental del
 Uruguay, Montevideo, Urug.
 SO Acta Bioquimica Clinica Latinoamericana (2006), 40(2), 213-217
 CODEN: ABCLDL; ISSN: 0325-2957
 PB Federacion Bioquimica de la Provincia de Buenos Aires
 DT Journal; General Review
 LA English
 RE.CNT 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his full

(FILE 'HOME' ENTERED AT 15:22:03 ON 12 DEC 2010)

FILE 'REGISTRY' ENTERED AT 15:22:25 ON 12 DEC 2010
 E PHYTIC ACID/CN

L1 1 SEA ABB=ON PLU=ON "PHYTIC ACID"/CN
 D L1

FILE 'HCAPLUS' ENTERED AT 15:24:01 ON 12 DEC 2010

L2 8943 SEA ABB=ON PLU=ON L1
 L3 56 SEA ABB=ON PLU=ON L2 (P) (CUTANEOUS OR PERCUTANEOUS OR
 TOPICAL OR CREAM OR OINTMENT OR LOTION OR SKIN CARE OR
 DERMATOLOGICAL OR TRANSDERMAL)
 L4 1 SEA ABB=ON PLU=ON L3 AND (CALCIFICATION OR CALCIUM DEPOSITION
 OR CALCIUM CRYSTAL) (P) (TREAT? OR REDUC? OR INHIBIT?)
 L5 1 SEA ABB=ON PLU=ON L3 AND (CALCIFICATION OR CALCIUM DEPOSITION
 OR CALCIUM CRYSTAL) (P) (TREAT? OR REDUC? OR INHIBIT? OR
 PREVENT)
 L6 2 SEA ABB=ON PLU=ON L3 AND (CALCIFICATION OR CALCIUM DEPOSITION
 OR CALCIUM CRYSTAL)
 D L6 1- IBIB
 L7 195 SEA ABB=ON PLU=ON L2 AND (CUTANEOUS OR PERCUTANEOUS OR
 TOPICAL OR CREAM OR OINTMENT OR LOTION OR SKIN CARE OR
 DERMATOLOGICAL OR TRANSDERMAL)
 L8 3 SEA ABB=ON PLU=ON L7 AND (CALCIFICATION OR CALCIUM DEPOSITION
 OR CALCIUM CRYSTAL)
 L9 1 SEA ABB=ON PLU=ON L8 NOT L6
 D L9
 L10 38 SEA ABB=ON PLU=ON L2 AND (CALCIFICATION OR CALCIUM DEPOSITION
 OR CALCIUM CRYSTAL)
 L11 17 SEA ABB=ON PLU=ON L2 (P) (CALCIFICATION OR CALCIUM DEPOSITION

L12 OR CALCIUM CRYSTAL)
 4 SEA ABB=ON PLU=ON L2 (P) (CALCIFICATION OR CALCIUM DEPOSITION
 OR CALCIUM CRYSTAL) (P) (KIDNEY OR RENAL OR CEREBRAL OR
 HEART OR LUNG OR PULMONARY OR CARDIAC OR CARDIOVASCULAR)
 D L12 IBIB 1-
 D L12 IBIB 4 KWIC
 L13 7 SEA ABB=ON PLU=ON L7 AND (KIDNEY OR RENAL OR CEREBRAL OR
 HEART OR LUNG OR PULMONARY OR CARDIAC OR CARDIOVASCULAR)
 D L13 IBIB KWIC 1-
 L14 9 SEA ABB=ON PLU=ON L10 AND (SOFT TISSUE)
 D L14 IBIB 1-
 L15 1 SEA ABB=ON PLU=ON (L2 OR L3 OR L7 OR L13) AND (CALCIUM (5A)
 BUILD (2A) UP OR TISSUE (5A) HARDEN?)
 D L15

FILE HOME

FILE REGISTRY

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 DICTIONARY FILE UPDATES: 10 DEC 2010 HIGHEST RN 1256333-24-0

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<http://www.cas.org/support/stngen/stndoc/properties.html>

FILE HCAPLUS

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 USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2010

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<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	123.19	132.48
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-4.25	-4.25

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STN INTERNATIONAL SESSION SUSPENDED AT 15:40:12 ON 12 DEC 2010